

UNIT TWO EXAM

Multiple Choice. Put the letter on the line that best completes the sentence.

- _____ 1. Evidence that life existed in the past is called a:
a. mutation b. fossil c. variation d. selection
- _____ 2. The fossils at Florissant Fossil beds show that:
a. a lake existed in the valley b. and ocean was once here
c. granite peaks in Colorado were once volcanoes
d. life was much the same as it is today
- _____ 3. Scientists at Florissant use this fossil as a primary indicator of climate:
a. insect fossils b. plant fossils c. mammal fossils d. dinosaur fossils
- _____ 4. The fossilization process at Florissant was due to:
a: volcanic material b: being encase in swamp material c: sedimentary deposition d. deposition at the bottom of the ocean
- _____ 5. The layers of rocks that make up the shale layers where fossils are found in Florissant come from:
a. mud b. gravel c. ash d. sand
- _____ 6. the petrified trees at Florissant Fossil Beds are thought to be:
a. sequoias b. firs c. beech d. ponderosa pines
- _____ 7. The petrified trees are thought to have become petrified as a result of:
a. hot lava flows from volcanoes b. old river deposits
c. granite sediments d. volcanic mudflows
- _____ 8. Dinosaur fossils are not found at Florissant Fossil Beds Because:
a. the climate was too cold b. dinosaurs were not in the area
c. they were already extinct d. they were not preserved
- _____ 9. Only the bases of the trees are petrified because:
a. the tops had already rooted away b. fire burned the tops off
c. that was the part that was surrounded by mudflows
d. the bases were stronger than the rest of the tree
- _____ 10. By studying the petrified trees, scientists have determined that:
a. the climate was much different at one time than it is today
b. the rainfall was much greater than today
c. . the trees were up to 500 years old based on tree ring studies
d. all of the above

- _____ 11. The Florissant Formation is thought to be:
a. 10,000-20,00 years old b. 34-35 million years old
c. 4-4.5 billion years old d. 2.5 Million years old
- _____ 12. a mineral found in the rock surrounding the petrified trees is responsible for their petrification. The name of this mineral is:
a. obsidian b. silica c. tuff d. conglomerate
- _____ 13. The fossils of Florissant have been protected over the years by:
a. a slower mudflow called "caprock" b. granite c. lava flows
c. volcanic eruptions of ash

Identify each of the following statements as either an Inference or Observation by putting the letters "I" or "O".

- _____ 14. Plant Species found in the fossils of Florissant suggest a warmer, moister, climate.
- _____ 15. The petrified stumps of Florissant have a circumference of up to 12 meters.
- _____ 16. Living sequoia trees today live at lower elevations and receive more rainfall.
- _____ 17. Volcanic tuff surrounds the bases of the petrified trees at Florissant.
- _____ 18. There are fossils of plants and insects, some fish birds at Florissant.
- _____ 19. There was a lake at Florissant that supported many types of organisms.
- _____ 20. Florissant was probably at the same elevation 34-35 million years ago.

UNIT TWO EXAM – TEACHERS KEY

Multiple Choice. Put the letter on the line that best completes the sentence.

If there are two answers, either or both is correct.

- ___ **B** ___ 1. Evidence that life existed in the past is called a:
a. mutation b. fossil c. variation d. selection
- ___ **A** ___ 2. The fossils at Florissant Fossil beds show that:
a. a lake existed in the valley b. and ocean was once here
e. granite peaks in Colorado were once volcanoes
f. life was much the same as it is today
- ___ **A,B** ___ 3. Scientists at Florissant use this fossil as a primary indicator of climate:
a. insect fossils b. plant fossils c. mammal fossils d. dinosaur fossils
- ___ **A,C** ___ 4. The fossilization process at Florissant was due to:
a: being encase in volcanic material b: being encase in swamp material
c: sedimentary deposition d. deposition at the bottom of the ocean
- ___ **C** ___ 5. The layers of rocks that make up the shale layers where fossils are found in Florissant come from:
a. mud b. gravel c. ash d. sand
- ___ **A** ___ 6. The petrified trees at Florissant Fossil Beds are thought to be:
a. sequoias b. firs c. beech d. ponderosa pines
- ___ **D** ___ 7. The petrified trees are thought to have become petrified as a result of:
a. hot lava flows from volcanoes b. old river deposits
c. granite sediments d. volcanic mudflows
- ___ **C** ___ 8. Dinosaur fossils are not found at Florissant Fossil Beds Because:
a. the climate was too cold b. dinosaurs were not in the area
c. they were already extinct d. they were not preserved
- ___ **C** ___ 9. Only the bases of the trees are petrified because:
a. the tops had already rooted away b. fire burned the tops off
c. that was the part that was surrounded by mudflows
d. the bases were stronger than the rest of the tree

- ___ **D** ___ 10. By studying the petrified trees, scientists have determined that:
- a. the climate was much different at one time than it is today
 - b. the rainfall was much greater than today
 - c. the trees were up to 500 years old based on tree ring studies
 - d. all of the above
- ___ **B** ___ 11. The Florissant Formation is thought to be:
- a. 10,000-20,00 years old b. 34-35 million years old
 - c. 4-4.5 billion years old d. 2.5 Million years old
- ___ **B** ___ 12. a mineral found in the rock surrounding the petrified trees is responsible for their petrification. The name of this mineral is:
- a. obsidian b. silica c. tuff d. conglomerate
- ___ **A** ___ 13. The fossils of Florissant have been protected over the years by:
- a. a slower mudflow called "caprock" b. granite c. lava flows
 - c. volcanic eruptions of ash

Identify each of the following statements as either an Inference or Observation by putting the letters "I" or "O".

- ___ **I** ___ 14. Plant Species found in the fossils of Florissant suggest a warmer, moister, climate.
- ___ **O** ___ 15. The petrified stumps of Florissant have a circumference of up to 12 meters.
- ___ **O** ___ 16. Living sequoia trees today live at lower elevations and receive more rainfall.
- ___ **O** ___ 17. Volcanic tuff surrounds the bases of the petrified trees at Florissant.
- ___ **O** ___ 18. There are fossils of plants and insects, some fish birds at Florissant.
- ___ **I** ___ 19. There was a lake at Florissant that supported many types of organisms.
- ___ **O** ___ 20. Florissant was probably at the same elevation 34-35 million years ago.